

TITLE: SEALING STRUCTURE FOR A SPRAY GUN RESERVOIR

Field of the Invention

This invention relates to a sealing structure for a spray gun reservoir, and more particularly to a can having a circular trough close to an opening of the can, and a
5 lid having a circular rib on a reduced portion of the lid to secure with the circular
through of the can.

Background of the Invention

A conventional spray gun reservoir comprises a can 3 and a lid 4, as shown in FIG. 3. The can 3 has a flat top on an open end while the lid 4 has a reduced
10 portion 41 to be inserted into the can 3 to seal the can 3. This sealing structure
may easily be loosened and the paint in the reservoir may be spoiled out.

Summary of the Invention

It is the primary object of the present invention to provide a sealing structure
for a spray gun reservoir, which provides a secure sealing structure to prevent paint
15 from leakage.

It is another object of the present invention to provide the sealing structure for
a spray gun reservoir, which is save in use.

It is a further object of the present invention to provide the sealing structure for
a spray gun reservoir, which is easy to open and to seal.

20 Brief Description of the Drawings

FIG. 1 is an exploded view of the present invention

FIG. 2 is an assembly view of the present view, partially sectioned, and

FIG. 3 is an assembly view of a prior art, partially sectioned.

Detailed Description of the Preferred Embodiment

As shown in FIGS. 1 and 2, the present invention is generally composed of a can 1 and a lid 2.

The can 1 comprises an opening 11 with a curved edge 13 on the top edge end. 5 A circular trough 12 is formed by starting from one end in a level with the extension line gradually deviating from the line, which causes a different height of the two ends. The two ends of the circular trough 12 are in rounded and dented shape for easy connection.

The lid 2 comprises a reduced portion 21 with a circular rib 22 surrounding the 10 outer wall of the reduced portion 21, corresponding to the circular trough 11 of the can 1. A gap 23 is formed around the inner wall of the lid 2 corresponding to the curved edge 13 of the can 1. Two ends of the circular rib 22 of the lid 2 are formed in rounded for easy connection.

By covering the lid 2 on the can 1, the circular rib 22 may be easily guided into 15 the circular trough 12 and to secure the can 1 properly.